

Work Order ID 128201

128201

Page 1

Tuesday, January 13, 2015 9:04:43 AM

Item ID: 646.4001 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: AS350 Cable Cutters
 Start Date: 1/12/2015 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 1/12/2015 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: MLS Date: 1501-13 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start *NR1*
 Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.4000	B								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

(Lx) DAS 46 9-89 FEB 05 2015
 (Lx) DAS 46 9-89 JAN 24 2015
 (Lx) DAS 28 9-89 FEB 05 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Work Order ID 128201

128201

Page 2

Tuesday, January 13, 2015 9:04:43 AM

Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: AS350 Cable Cutters
 Start Date: 1/12/2015 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 1/12/2015 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging					(10)	DAS 46	FEB 05 2015	
Packaging	Memo	0.00					9-89		
Packaging	Identify and pack for shipping as per PPP 646.4001 Location: _____	Sold							
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

MLJ 15-02-06
 15.2.6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Wednesday, January 14, 2015 10:03:15 AM

128201

646 4001

Start Date: 1/12/2015**Required Date:** 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.0112		Manufactured	No				Each	241.0000		2			
647-0112 Strut Bracket DAS 46 9-89													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK109				241					
				112215				62		2			
				122245				35					
				122871				52					
				M130388				92					
647.7703		Manufactured	No				Each	0.0000		2			
647-7703 Strut Assembly DAS 46 9-89													
646.3301		Manufactured	No				Each	10.0000		1			
646-3301 Upper Cutter Assy DAS 46 9-89													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK042				2					
				124729				2					
				CCK046				8					
				120672				2		1			
				122966				4					
				124258				2					

Picklist Print

Page 2

Wednesday, January 14, 2015 10:03:15 AM

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3001

Manufactured No

Each

12.0000

646 3001 DAS
Lower Cutter Assy 46
9-89

**

Location

Loc Qty

Loc Code

CCK045

12

123145

1

124690

2

124731

2

124733

7

646.2910

Manufactured No

Each

1.0000

646 2910 DAS
Deflector 46
9-89

**

Location

Loc Qty

Loc Code

CCK050

1

120021

1

646.3810

Manufactured No

Each

24.0000

646 3810 DAS
Bracket 46
9-89

**

Location

Loc Qty

Loc Code

cck104

24

121817

10

123020

6

123683

4

124329

4

646.3510

Manufactured No

Each

13.0000

646 3510 DAS
Strut 46
9-89

**

Location

Loc Qty

Loc Code

cck101

13

120150

13

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

JAN 24 2015

Wednesday, January 14, 2015 10:03:15 AM

Shop Packet Print

Page 2

Picklist Print

Wednesday, January 14, 2015 10:03:15 AM

Page 3

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3511 Manufactured No

Each 12.0000

646.3511 DAS
Strut 46
9-89

**

DAS
28
9-89

Location

Loc Qty

Loc Code

cck102

12

120292

12

Each

12.0000

**

DAS
28
9-89

646.3512 Manufactured No

646.3512
Strut

Location

Loc Qty

Loc Code

cck102

12

126226

12

Each

15.0000

**

DAS
28
9-89

646.3513 Manufactured No

646.3513
Strut

Location

Loc Qty

Loc Code

cck102

15

110989

4

113944

1

126779

10

Each

2,973.000

**

DAS
28
9-89

NAS1149F0332P

Purchased

No

NAS1149F0332P DAS
Washer 46
9-89

Location

Loc Qty

Loc Code

GA

222

122063

222

ST260a

2751

m130325

2000

m131026

751

**

DAS
28
9-89

Wednesday, January 14, 2015 10:03:16 AM

Shop Packet Print

Page 3

Picklist Print

Wednesday, January 14, 2015 10:03:16 AM

Page 4

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

2,109.000

MS21042L3

Nut

DAS
46
9-89

**

61

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

467

M130922

467

ST305

1639

M130799

39

M131264

1600

ST307

3

123900

3

646.3110

Manufactured

No

Each

13.0000

646.3110

Channel

DAS
46
9-89

**

1

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck020

13

122959

5

126780

8

Each

13.0000

646.3710

Manufactured

No

646.3710

Doubler

DAS
46
9-89

**

1

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK015

13

113729

13

Each

17.0000

646.3210

Manufactured

No

646.3210

Support

DAS
46
9-89

**

1

JAN 24 2015

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck020

17

124388

8

126777

9

Wednesday, January 14, 2015 10:03:16 AM

Shop Packet Print

Page 4

Picklist Print

Wednesday, January 14, 2015 10:03:16 AM

Page 5

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3713 Manufactured No

Each 35.0000

646.3713
Gusset

DAS
46
9-89

**

DAS
28
9-89

Location Loc Qty Loc Code

cck103

35

m20631

35

Each 298.0000

MS24694-S51 Purchased No

MS24694-S51
Screw

DAS
46
9-89

**

DAS
28
9-89

Location Loc Qty Loc Code

ST289

298

m130928

298

Each 31.0000

AN3-13A Purchased No

AN3-13A
Bolt

DAS
46
9-89

**

DAS
28
9-89

Location Loc Qty Loc Code

CA

5

m129682

5

GA

20

m127070

20

ST349

6

m127070

6

Each 351.0000

AN3-4A Purchased No

AN3-4A
Bolt

DAS
46
9-89

**

DAS
28
9-89

Location Loc Qty Loc Code

CA

108

m129682

108

ST350

243

m129702

243

Wednesday, January 14, 2015 10:03:16 AM

Shop Packet Print

Page 5

Picklist Print

Page 7

Wednesday, January 14, 2015 10:03:16 AM

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3811
646.3811
Radius Block

DAS
46
9-89

Manufactured No

Each 38.0000

**

Location	Loc Qty	Loc Code
cck104	38	
107218	3	
110717	20	
122938	15	

DAS
28
9-89

AN3-6A
AN3-6A
Bolt

DAS
46
9-89

Purchased No

Each 172.0000

**

Location	Loc Qty	Loc Code
ST349	172	
M128739	72	
M130466	100	

DAS
28
9-89

MS24694-S55
MS24694-S55
Screw

DAS
46
9-89

Purchased No

Each 13.0000

**

Location	Loc Qty	Loc Code
ST289	13	
m128401	13	

DAS
28
9-89

646.3610
646.3610
Filler

DAS
46
9-89

Manufactured No

Each 12.0000

**

Location	Loc Qty	Loc Code
cck103	12	
112887	2	
124514	10	

DAS
28
9-89

JAN 24 2015

Picklist Print

Wednesday, January 14, 2015 10:03:16 AM

Page 8

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3714

**DAS
46**

Manufactured No

Each 36.0000

646.3714

Gusset

9-89

**DAS
28**

**DAS
28**

Location

Loc Qty

Loc Code

cck103

36

120632

36

Each 1,232.000

**DAS
28**

**DAS
28**

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

342

105433

342

Each 16.0000

**DAS
28**

**DAS
28**

Location

Loc Qty

Loc Code

cck104

16

122898

16

Each 336.0000

**DAS
28**

**DAS
28**

Location

Loc Qty

Loc Code

ST350

336

129591

336

AN3-3A

Purchased No

AN3-3A

Bolt

**DAS
46**

9-89

JAN 24 2015

Wednesday, January 14, 2015 10:03:16 AM

Shop Packet Print

Page 8

Picklist Print

Page 9

Wednesday, January 14, 2015 10:03:16 AM

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3813 Manufactured No

Each 22.0000

646 3813

DAS
46
9-89

**

DAS
05
9-89
DAS
28
9-89

Strut Bracket

Location

Loc Qty

Loc Code

cck104

22

115021

4

121503

10

122968

4

124265

4

MS20470AD5-7

Purchased No

Each 608.0000

MS20470AD5-7

DAS
46
9-89

**

DAS
05
9-89
DAS
28
9-89

Rivet

Location

Loc Qty

Loc Code

ST310

608

123425

608

Each

98.0000

MS21047-3

Purchased No

MS21047-3

DAS
46
9-89

**

DAS
05
9-89
DAS
28
9-89

Nut Plate

Location

Loc Qty

Loc Code

ST303

98

m130358

98

Each

131.0000

CCR264SS3-02

Purchased No

CCR264SS3-02

DAS
46
9-89

**

DAS
05
9-89
JAN 24 2015
DAS
28
9-89

Rivet, Cherry

Location

Loc Qty

Loc Code

ST321

131

M128879

131

Wednesday, January 14, 2015 10:03:16 AM

Shop Packet Print

Page 9

Picklist Print

Page 10

Wednesday, January 14, 2015 10:03:16 AM

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-5A

Purchased

No

Each

266.0000

**

AN3-5A

Bolt

DAS
46
9-89

Location

Loc Qty

Loc Code

CA

151

m129682

151

FP001

69

m130325

69

GA

46

m129507

46

646.3715

Manufactured

No

Each

21.0000

**

646 3715

Strut Doubler

DAS
46
9-89

Location

Loc Qty

Loc Code

cck103

21

115101

1

123469

12

123700

8

MS27039-1-12

Purchased

No

Each

80.0000

**

MS27039-1-12

Screw

DAS
46
9-89

Location

Loc Qty

Loc Code

ST285

80

m128799

80

646.3716

Manufactured

No

Each

16.0000

**

646 3716

Gauge Bracket

DAS
46
9-89

Location

Loc Qty

Loc Code

cck103

16

120167

2

122908

14

Wednesday, January 14, 2015 10:03:16 AM

Shop Packet Print

Page 10

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

JAN 24 2015

Picklist Print

Wednesday, January 14, 2015 10:03:16 AM

Page 11

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

MS20426AD5-7

Purchased

No

Each

266.0000

MS20426AD5-7
RIVET

DAS
46
9-89

**

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST312

266

266

Each

54.0000

MS24694-S54

Purchased

No

MS24694-S54
SCREW

DAS
46
9-89

**

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST289

54

54

Each

506.0000

MS27039-1-21

Purchased

No

MS27039-1-21
Screw

DAS
46
9-89

**

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST273A

495

m126319

100

m127904

395

ST284

11

11

Each

282.0000

MS27039-1-20

Purchased

No

MS27039-1-20
Screw

DAS
46
9-89

**

DAS
28
9-89

JAN 24 2015

DAS
28
9-89

Location

Loc Qty

Loc Code

ST284

282

282

Picklist Print

Wednesday, January 14, 2015 10:03:16 AM

Page 12

Work Order ID: 128201

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

128201

646 4001

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-19

Purchased

No

Each

574.0000

22

MS27039-1-19

DAS

46

9-89

Screw

Location

Loc Qty

Loc Code

GA

32

m124326

32

ST273A

401

m127904

401

ST284

141

125654

5

m127904

136

DAS

46

9-89

DAS

28

9-89

646.3717

Manufactured

No

Each

35.0000

1

646.3717

DAS

46

9-89

Doubler

Location

Loc Qty

Loc Code

cck103

35

144916

5

120633

30

DAS

46

9-89

DAS

28

9-89

646.3718

Manufactured

No

Each

22.0000

2

646.3718

DAS

46

9-89

Custom Washer

Location

Loc Qty

Loc Code

cck104

22

110639

22

DAS

46

9-89

JAN 24 2015

DAS

28

9-89

Picklist Print

Page 13

Wednesday, January 14, 2015 10:03:16 AM

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3719

Manufactured No

Each

65.0000

646.3719

DAS
46
9-89

Doubler

**

DAS
28
9-89

Location

Loc Qty

Loc Code

cck104

34

120338

14

123589

20

cck126

31

120634

31

MS27039-1-10

Purchased No

Each

753.0000

MS27039-1-10

DAS
46
9-89

SCREW

**

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

250

m129541

250

ST285

503

m123522

60

m128635

41

m130358

402

AN3-11A

Purchased No

Each

579.0000

AN3-11A

DAS
46
9-89

Bolt

**

JAN 21 2015
DAS
28
9-89

Location

Loc Qty

Loc Code

ST338a

579

m125709

470

m130005

109

Wednesday, January 14, 2015 10:03:16 AM

Shop Packet Print

Page 13

Picklist Print

Wednesday, January 14, 2015 10:03:16 AM

Page 14

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

600.0990 Purchased No

Each 5.0000

600.0990
MAGNABOND 6398 PART A

DAS
46
9-89

**

1 73-13-31 DAS 28 9-89

Location Loc Qty Loc Code

MF 5

M129818 5

600.0991 Purchased No

Each 5.0000

600.0991
MAGNOBOND 6398 PART B

DAS
46
9-89

**

1 73-13-31 DAS 28 9-89

Location Loc Qty Loc Code

MF 5

130685 5

600.1012 Purchased No

Each 21.0000

600.1012
Sealant PR1425B2 (#654 sem)

DAS
46
9-89

**

Exp. April 12015

Location Loc Qty Loc Code

cck017 10

m129767 10

cck018 11

m129749 6

m130388 5

600.0129 Purchased No

f 18.0000

600.0129
VHB TAPE 75935A651

DAS
46
9-89

**

8 feet JAN 24 2015 DAS 28 9-89

Location Loc Qty Loc Code

CCK095 18

m127920 18

① 8 feet

Picklist Print

Page 15

Wednesday, January 14, 2015 10:03:16 AM

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

600.1013
600_1013
 021200-3M TAPE PRIMER 94 PRIMER 24216

DAS
46
 9-89

Purchased No

Each 1,000.000

**

DAS
 9-89
DAS
28
 9-89

Location

Loc Qty

Loc Code

CCK095

1000

6/15/2016

646.3910
646.3910
 Shim
 SAC #1

DAS
46
 9-89

Manufactured No

Each 2.0000

**

2X 126228

DAS
 9-89
DAS
28
 9-89

Location

Loc Qty

Loc Code

cck104

2

646.3911
646.3911
 Shim

DAS
46
 9-89

Manufactured No

Each 25.0000

**

DAS
 9-89
DAS
28
 9-89

Location

Loc Qty

Loc Code

cck104

25

646.3912
646.3912
 Shim

DAS
46
 9-89

Manufactured No

Each 4.0000

**

DAS
 9-89
DAS
28
 9-89

Location

Loc Qty

Loc Code

cck104

4

JAN 24 2015

Wednesday, January 14, 2015 10:03:17 AM

Shop Packet Print

Page 15

Picklist Print

Wednesday, January 14, 2015 10:03:17 AM

Page 16

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

646.3913

Manufactured No

Each

4.0000

646.3913

Shim

DAS
46
9-89

**

DAS
28
9-89

Location

Loc Qty

Loc Code

cck104

4

107550

4

Each

202.0000

**

DAS
28
9-89

AN3-12A

Purchased No

AN3-12A

Bolt

DAS
46
9-89

Location

Loc Qty

Loc Code

CA

69

m129682

69

ST349

133

m130566

133

Each

67.0000

**

DAS
28
9-89

MS27039-1-16

Purchased No

MS27039-1-16

Screw

DAS
46
9-89

Location

Loc Qty

Loc Code

ST285

67

m130224

67

Each

64.0000

**

DAS
28
9-89

AN44-5A

Purchased No

AN44-5A

Eyebolt

DAS
46
9-89

Location

Loc Qty

Loc Code

ST339

64

113791

9

124241

25

m123900

20

m126193

10

JAN 24 2015
DAS
28
9-89

Picklist Print

Wednesday, January 14, 2015 10:03:17 AM

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

AN665-34R Purchased No

Each 24.0000

AN665-34R
Clevis
DAS 46
9-89

**

21

DAS
46
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

ST330

24

M126180

24

Each

202.0000

**

2

DAS
46
9-89
DAS
28
9-89

AN4C7A Purchased No

AN4C7A
BOLT
DAS 46
9-89

Location

Loc Qty

Loc Code

ST312A

100

m127363

100

ST345

102

m128634

102

Each

478.0000

**

2

DAS
46
9-89
DAS
28
9-89

NAS1149F0432P Purchased No

NAS1149F0432P
WASHER
DAS 46
9-89

Location

Loc Qty

Loc Code

st268

478

M128995

478

4

JAN 27 2015

Picklist Print

Wednesday, January 14, 2015 10:03:17 AM

Page 18

Work Order ID: 128201

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

128201

646 4001

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

3,572.000

2

MS21042L4

Locknut

DAS
46
9-89

**

DAS

06

9-89

Location

Loc Qty

Loc Code

FP001

42

m124231

42

GA

704

m127813

704

ST260a

2000

m130799

2000

ST305

826

426

426

m128300

8

m130922

392

AN316C4R

Purchased

No

Each

77.0000

2

AN316C4R

NUT

DAS
46
9-89

**

DAS

06

9-89

Location

Loc Qty

Loc Code

ST331

77

112314

11

124561

25

m127584

8

m127618

20

m127838

13

JAN 24 2015

DAS

28

9-89

Picklist Print

Wednesday, January 14, 2015 10:03:17 AM

Page 19

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042-3 MS21042L3 Purchased No

Each 875.0000

2

MS21042-3 DAS
Nut / use MS21042L3 46
9-89

**

DAS
OS
9-89 28
9-89

Location	Loc Qty	Loc Code
CA	501	
M129682	501	
ST305	374	
M128770	274	
M129541	100	

2

MS27039-08-13 Purchased No

Each 479.0000

2

MS27039-08-13 DAS
Screw 46
9-89

**

DAS
OS
9-89 28
9-89

Location	Loc Qty	Loc Code
ST273A	346	
124326	346	
ST281	133	
123352	39	
4067	73	
M123185	21	

2

MS21042-08 MS21042L08 Purchased No

Each 32.0000

2

MS21042-08 DAS
USE MS21042L08 46
9-89

**

M130325

JAN 24 2015
DAS
OS
9-89 28
9-89

Location	Loc Qty	Loc Code
ST304	25	
122815	25	
ST306	7	
123185	3	
123525	4	

Picklist Print

Wednesday, January 14, 2015 10:03:17 AM

Page 20

Work Order ID: 128201

128201

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutters

Start Date: 1/12/2015

Required Date: 1/12/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149FN832P

Purchased

No

Each

4,968.000

4

NAS1149FN832P

DAS

46

Washer

9-89

DAS

28

9-89

JAN 24 2015

Location

Loc Qty

Loc Code

ST260a

3600

125268

3600

st268

1368

M130388

1368

DAS

28

9-89

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04731

SHEET 1 OF 2

DWG NO. 646.4000

REV: A

PREPARED BY J. SOTO

DATE: 11/04/2014

EFFECT ON DWG
☒ INC. ☐ UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR

MFG

QC

EFF.

NEXT ORDER

TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

REASON: REVISED BOM. INCORPORATED ECN 03046 AND 03079.

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 128201-ML5

1501-13

76	A	601.2764	4	4	WASHER	NAS1149FN832P	
75	A	601.2973	2	2	LOCKNUT	MS21042-08	
74	A	601.2988	2	2	SCREW	MS27039-0813	
73	A	601.2943	2	2	LOCKNUT	MS21042-3	
72	A	601.3128	2	2	NUT	AN316C4R	
71	A	601.3209	2	2	LOCKNUT	MS21042L4	
70	A	601.2638	4	4	WASHER	NAS1149F0432P	
69	A	601.2669	2	2	BOLT	AN4C7A	
68	A	601.3119	2	2	CLEVIS	AN665-34R	
67	A	601.3121	2	2	EYE BOLT	AN44-57	
66	A	650.9201	2	2	EYE BRACKET ASSY		
51	R	601.2926	10	10	BOLT	AN3-11A	
12	R	601.1624	53	61	LOCKNUT	MS21042L3	
11	R	601.1607	120	138	WASHER	NAS1149F0332P	
8	R	647.7703	2	2	STRUT ASSY		
7	R	647.0112	2	2	STRUT BRACKET		
F/N	TC	PART NUMBER	.4003	.4001			
		QTY			DESCRIPTION	MATERIAL	SPECIFICATION

DOCUMENTS EFFECTED:

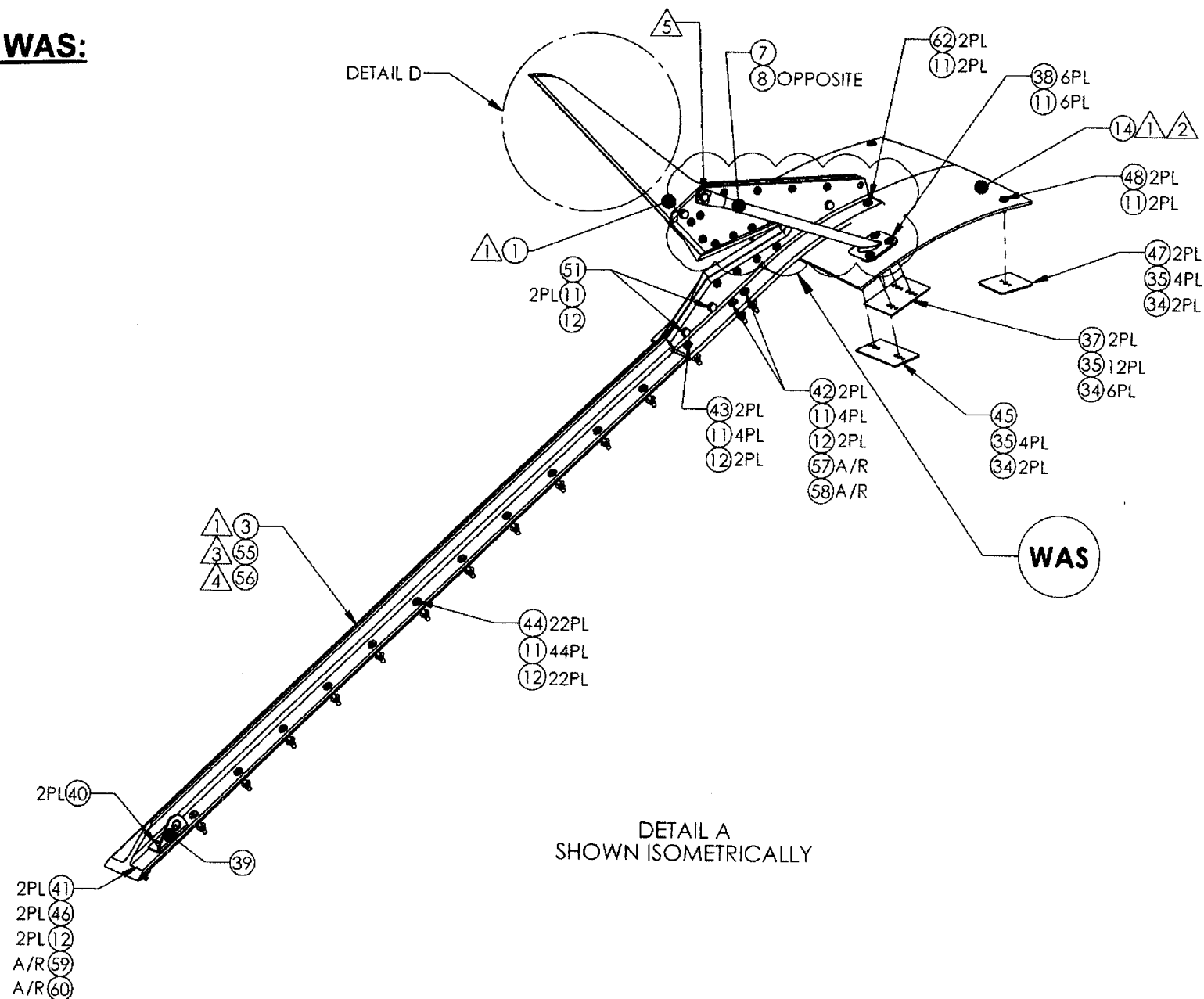
☐ MDL ☒ INSTALL INSTRUCTIONS ☒ ICA ☐ FMS ☒ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

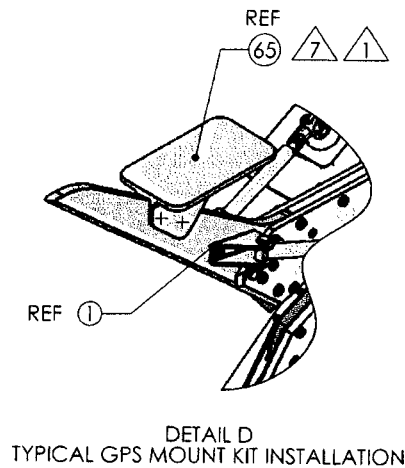
DER REVIEW REQUIRED

☐ YES ☒ NO

SHEET 2 WAS:

QTY	OFFICIAL DATE MO/DO/YR 08-22-08	PARTS LIST		
NEXT ASSY (\$)	DRAWN BY S. HURT	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
	DESIGNED BY P. BRAVO	AS350 CABLE CUTTERS KIT SEE CAGE CODE (DWG. NO.) 646.000		
	P. BRAVO APPROVAL DATE CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. PLACE DECIMALS 2 DI 2. PLACE DECIMALS 3 DEC 3. PLACE DECIMALS 3 DEC 4. PLACE DECIMALS 3 DEC		SEE CAGE CODE B 07M26	DWG. NO. 646.000	REV B
		SCALE NONE	1 SHEET	1 OF 6

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



DETAIL D

2 PL 7
2 PL 74
4 PL 75
4 PL 76

2 PL 51
4 PL 11
2 PL 12

1 3
3 55
4 56

44 22PL
11 44PL
12 22PL

2 PL 40

2 PL 41
2 PL 12
2 PL 46
A/R 59
A/R 60

DETAIL A
SHOWN ISOMETRICALLY

51 2 PL
11 4 PL
73 2 PL

62 2PL
11 2PL

69 2 PL
71 2 PL
70 4 PL
66 2 PL
67 2 PL

38 6PL
11 6PL

14 1 2
48 2PL
11 2PL

47 2PL
35 4PL
34 2PL

37 2PL
35 12PL
34 6PL

45 35 4PL
34 2PL

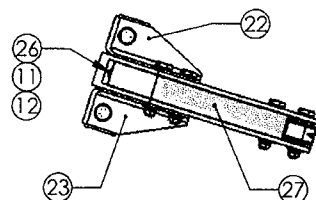
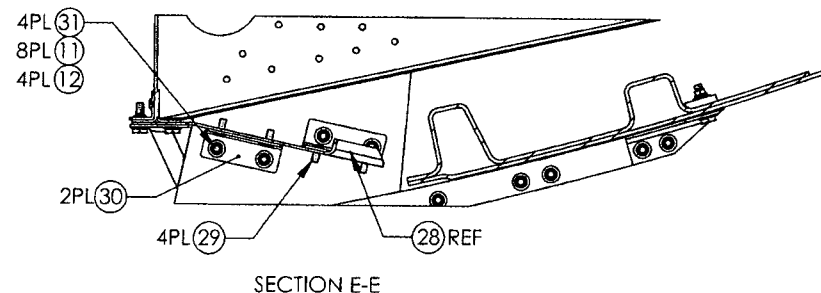
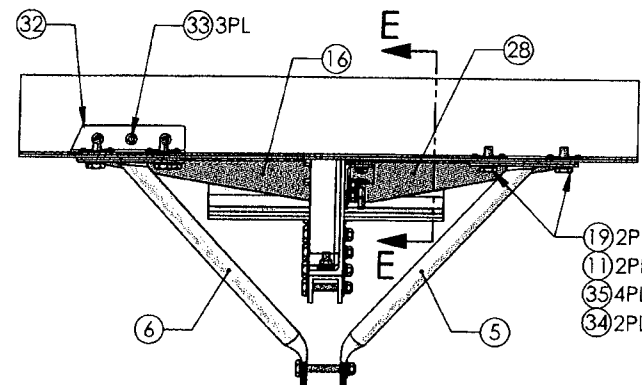
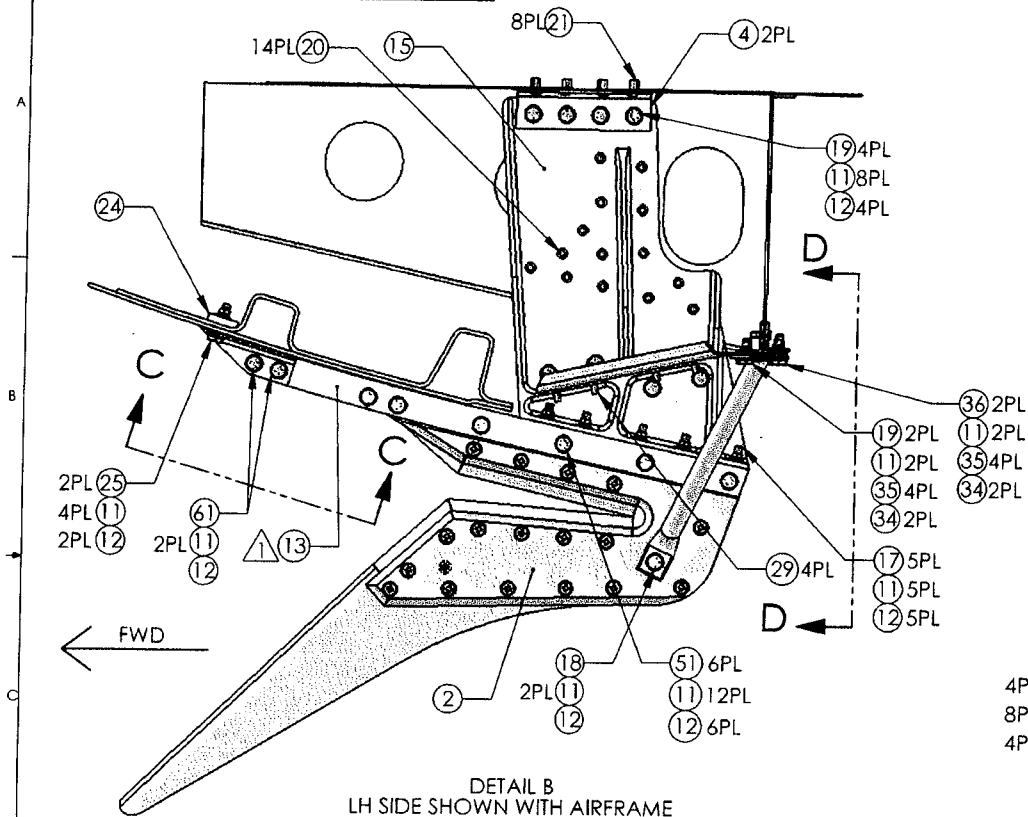
2 PL 68
2 PL 72
42 4PL
11 8PL
12 4PL
57 A/R
58 A/R

43 2PL
11 4PL
12 2PL

ORIGINAL DATE 10/24/08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		SCALE: NONE	SHEET 2 OF 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SEE CAGE CODE B 07M16	DWG. NO. 646.4000
		REV. B	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

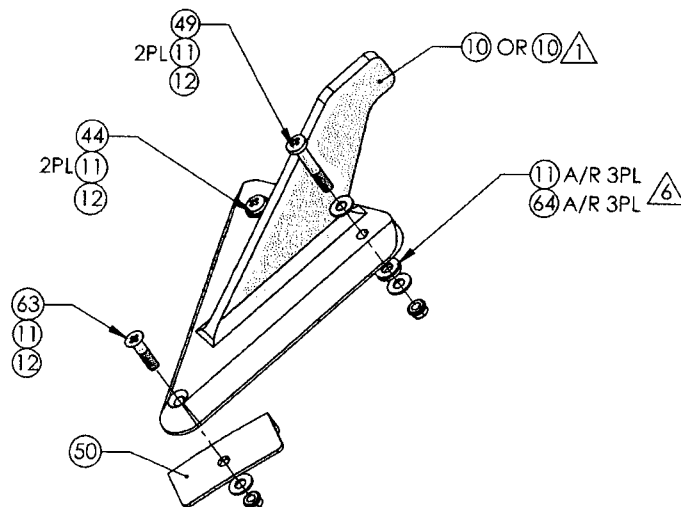
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE 08-27-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAVO		AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	
SHEET 8	CAGE CODE 07M26	DWG. NO. 646.4000	REV B
SCALE NONE		SHEET 3 OF 4	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR IN WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE (MO-DA-YR) 08-27-06		APICAL INDUSTRIES	
DRAWN BY S. HUFF	CHECKED P. BRAYO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAYO 08-27-06		AS350 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SHEET B	REV. 8
CAGE CODE 07M26		DWG. NO. 646.4000	SHEET 4 OF 4
SCALE NONE			